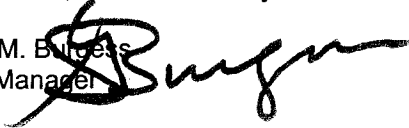


MEMORANDUM



Date: July 24, 2007

To: Honorable Chairman Bruno A. Barreiro
and Members, Board of County Commissioners

From: George M. Burgess
County Manager 

Agenda Item No. 8R3A

Subject: Request to Advertise for Design and Construction Management Services for the 10 million gallons per day (MGD of finished water) Reverse Osmosis North Miami-Dade Water Treatment Plant - Project No. E07-WASD-06; Contract No: E07-WASD-06

Recommendation

This Request to Advertise for Consultant Selection for Contract No. E07-WASD-06 for the Design and Construction Management Services for the 10 million gallons per day (MGD of finished water) Reverse Osmosis North Miami-Dade Water Treatment Plant has been prepared by the Miami-Dade Water and Sewer Department (MDWASD) and is recommended for approval pursuant to Section 2-8.1 of the Code of Miami-Dade County.

Scope

PROJECT NAME: Design and Construction Management Services for the 10 million gallons per day (MGD) Reverse Osmosis North Miami-Dade Water Treatment Plant

PROJECT NO: E07-WASD-06

CONTRACT NO: E07-WASD-06

PROJECT DESCRIPTION: The consultant is to provide planning, design, permitting and construction management services for the implementation of a 10 million gallons per day (MGD of finished water, Phase 1) Reverse Osmosis Water Treatment Plant at a site to be determined in North Miami-Dade County, including water supply wells and membrane reject water disposal.

PROJECT LOCATION: To be determined in the North Miami-Dade area.

PRIMARY COMMISSION DISTRICT: Various Districts

APPROVAL PATH: Board of County Commissioners

OCI A&E PROJECT NUMBER: E07-WASD-06

USING DEPARTMENT: Miami-Dade Water and Sewer Department

MANAGING DEPARTMENT: Miami-Dade Water and Sewer Department

Fiscal Impact / Funding Source

FUNDING SOURCE: SOURCE
Water Revenue Bonds, Future Water Revenue Bonds, Water Plant Expansion, and Building Better Communities General Obligation Bonds

PTP FUNDING: No

GOB FUNDING: Yes

GOB PROJECT:	<u>GOB PROJECT / DESCRIPTION</u>	<u>GOB ALLOCATION</u>
	17-GOB - Countywide Water and Sewer System Enhancements	<u>\$1,500,000.00</u>

CAPITAL BUDGET PROJECTS:	<u>BUDGET PROJECT / DESCRIPTION</u>	<u>RTA ESTIMATE</u>
	9652821-SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT AND WELLFIELD Book Page: 318 Funding Year: 2006-2007 These funds will be re-allocated to budget project #966620 in the 2007-08 fiscal year.	\$7,425,000.00
	966620-WATER TREATMENT PLANT - FLORIDAN AQUIFER Book Page: 323 Funding Year: 2006-2007	<u>\$7,425,000.00</u>

Project Totals: \$14,850,000.00

PROJECT TECHNICAL CERTIFICATION REQUIREMENTS:	<u>TYPE</u>	<u>CODE</u>	<u>DESCRIPTION</u>
	Prime	6.01	WATER AND SANITARY SEWER SYSTEMS - WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS
	Prime	6.02	WATER AND SANITARY SEWER SYSTEMS - MAJOR WATER AND SANITARY SEWAGE PUMPING FACILITIES
	Prime	6.03	WATER AND SANITARY SEWER SYSTEMS - WATER AND SANITARY SEWAGE TREATMENT PLANTS
	Prime	11.00	GENERAL STRUCTURAL ENGINEERING
	Prime	17.00	ENGINEERING CONSTRUCTION MANAGEMENT
	Other	9.02	SOILS, FOUNDATIONS AND MATERIALS TESTING - GEOTECHNICAL AND MATERIALS ENGINEERING SERVICES
	Other	12.00	GENERAL MECHANICAL ENGINEERING
	Other	13.00	GENERAL ELECTRICAL ENGINEERING

Other 14.00 ARCHITECTURE

Other 15.01 SURVEYING AND MAPPING - LAND SURVEYING

Other 16.00 GENERAL CIVIL ENGINEERING

Other 20.00 LANDSCAPE ARCHITECTURE

ESTIMATED CONTRACT PERIOD: 1825 Calendar Days; 5 years: Planning and Design 2 years; Permitting and Procurement 1 year; Construction and Start-up 2 years.

ESTIMATED CONTINGENCY PERIOD: 183

IG FEE INCLUDED IN BASE CONTRACT: Yes

ART IN PUBLIC PLACES: No

BASE ESTIMATE: \$13,500,000.00

CONTINGENCY ALLOWANCE (SECTION 2-8.1 MIAMI DADE COUNTY CODE):	TYPE	PERCENT	AMOUNT	COMMENT
	PSA	10%	\$1,350,000.00	

TOTAL DEDICATED ALLOWANCE: \$0.00

COST ESTIMATE: \$14,850,000.00

Track Record / Monitor

EXPLANATION:

MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS: No

REVIEW COMMITTEE: **MEETING DATE:** 5/16/2007 **SIGNOFF DATE:**

RESPONSIBLE WAGES: No

REVIEW COMMITTEE ASSIGNED CONTRACT MEASURES:	MEASURE	GOAL	COMMENT
	CBE	30.00%	CBE
	CWF	0.00%	Not Applicable

MANDATORY CLEARING HOUSE: No

**CONTRACT MANAGER
NAME/PHONE/EMAIL:**

Ralph Terrero

786-552-8112

TERRERO@miamidade.gov

**PROJECT MANAGER
NAME/PHONE/EMAIL:**

Patty David

786-552-8040

pattyd@miamidade.gov

Background

BACKGROUND:

Pursuant to the Interim Consumptive Use Authorization and Agreement with the South Florida Water Management District executed in May 2006, Miami-Dade County has committed to developing alternative water supplies to meet its increased projected water demands. This project meets the requirements of this agreement. The project shall maximize environmental benefits and minimize fiscal impacts.

**BUDGET APPROVAL
FUNDS AVAILABLE:**



OSBM DIRECTOR

5-30-07
DATE

95

**APPROVED AS TO
LEGAL SUFFICIENCY:**



COUNTY ATTORNEY

5-30-07
DATE



ASSISTANT COUNTY
MANAGER

5/30/07
DATE

CLERK DATE

DATE

Request to Advertise
Design and Construction Management Services for the
10 million gallons per day (MGD) Reverse Osmosis
North Miami-Dade Water Treatment Plant (Phase 1)
Project No. E07-WASD-06

**BUDGET PROJECT AND
DESCRIPTION:**

9652821 – South Miami Heights Water Treatment Plant
and Wellfield

966620 – Water Treatment Plant – Floridian Aquifer

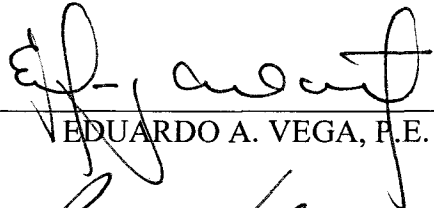
FUNDING SOURCE:

WASD Revenue Bonds, Water Plant Expansion
Future WASD Revenue Bond, General Obligation Bond

INDEX CODES:

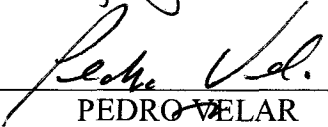
EW242, EW244, 2008W, EW247, EW223

**ASSISTANT DIRECTOR,
ENGINEERING:**

 5/15/07

EDUARDO A. VEGA, P.E. DATE

DEPT. BUDGET OFFICER

 5/15/07

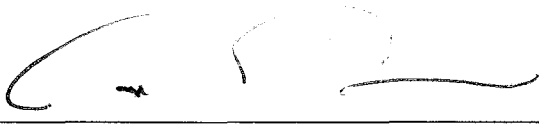
PEDRO VELAR DATE

**ASSISTANT DIRECTOR,
FINANCE**

 5/15/07

DIANE CAMACHO DATE

**DEPUTY DIRECTOR,
OPERATIONS**

 5/18/07

JOSEPH A. RUIZ, JR. DATE

STRATEGIC AREA: Neighborhood and Unincorporated Area Municipal Services
 DEPARTMENT: Water and Sewer

***** FUNDED PROJECTS *****
 (dollars in thousands)

SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT AND WELLFIELD

PROJECT # 9652821

DESCRIPTION: Construct a water treatment plant, a wellfield, and various water transmission mains in South Miami-Dade County

LOCATION: 11800 SW 208 St

Unincorporated Miami-Dade County

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

DISTRICT LOCATED: 9

DISTRICT(s) SERVED: Systemwide

REVENUE SCHEDULE:

	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Water Connection Charges	14,881	1,539	850	1,484	400	1,515	2,185	450	23,304
Miscellaneous - Other County Sources	300	0	0	0	0	0	0	0	300
WASD Revenue Bonds Sold	36,447	0	0	0	0	0	0	0	36,447
Future WASD Revenue Bonds	0	0	0	98,673	0	0	0	0	98,673

TOTAL REVENUE:

51,628	1,539	850	100,157	400	1,515	2,185	450	158,724
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EXPENDITURE SCHEDULE:

	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Planning and Design	842	912	2,789	3,878	3,498	1,874	610	41	14,444
Construction	8,412	9,114	27,863	38,733	34,935	18,724	6,090	409	144,280

TOTAL EXPENDITURES:

9,254	10,026	30,652	42,611	38,433	20,598	6,700	450	158,724
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SOUTH MIAMI-DADE WATER TRANSMISSION MAINS IMPROVEMENTS

PROJECT # 9650021

DESCRIPTION: Construct various water transmission mains to serve South Miami-Dade County after the new treatment plant is in service

LOCATION: South Miami-Dade County

Systemwide

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

DISTRICT LOCATED: Systemwide

DISTRICT(s) SERVED: Systemwide

REVENUE SCHEDULE:

	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	0	0	0	0	15,000	15,000

TOTAL REVENUE:

0	0	0	0	0	0	0	0	15,000	15,000
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EXPENDITURE SCHEDULE:

	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Planning and Design	0	0	0	0	0	0	0	1,365	1,365
Construction	0	0	0	0	0	0	0	13,635	13,635

TOTAL EXPENDITURES:

0	0	0	0	0	0	0	0	15,000	15,000
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4

BUDGET PROJECT 9652821

Project Title: 9652821-SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT AND WELLFIELD

Project Desc: Construct water treatment plant, wellfield, and raw and treated water transmission mains in South Miami-Dade County

Project \$\$	<u>Start:</u>	<u>End:</u>	<u>Prior:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>09-10:</u>	<u>Total:</u>
(\$\$ in 000's)	<u>10/1/2000</u>	<u>9/30/2008</u>	<u>9,254</u>	<u>10,026</u>	<u>30,652</u>	<u>42,611</u>	<u>38,433</u>	<u>158,724</u>

Project Type: Capital

CDPWeb Project Milestones (\$ IN 000'S)

<u>Milestone:</u>	<u>Start:</u>	<u>End:</u>	<u>Prior:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>09-10:</u>	<u>Total:</u>
Planning/Design	N/A	N/A	842	912	2,789	3,878	3,498	14,444
Construction	N/A	N/A	8,412	9,114	27,863	38,733	34,935	144,280

CDPWeb Project Revenue (\$ IN 000'S)

<u>Revenue:</u>	<u>Start:</u>	<u>End:</u>	<u>Prior:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>09-10:</u>	<u>Total:</u>
Water Connection Char	N/A	N/A	14,881	1,539	850	1,484	400	23,304
Miscellaneous - Other	N/A	N/A	300	0	0	0	0	300

EXIT

Current Contracts for Project 9652821

<u>Dept</u>	<u>ContractNo</u>	<u>Contract Name</u>	<u>RTA Budget Allocation</u>	<u>Award Budget Allocation</u>	<u>CIIS Award</u>
WS	<u>E05-WASD-02</u>	Design of a 60-inch Force Main	\$1,650,000.00	\$0.00	\$1,500,000.00
WS	<u>E05-WASD-02</u>	Design of a 60-inch Force Main	\$0.00	\$1,650,000.00	\$1,500,000.00
WS	<u>E05-WASD-05</u>	Construction Management Servic	\$6,600,000.00	\$0.00	\$0.00
WS	<u>E07-WASD-01</u>	Construction Management Servic	\$4,400,000.00	\$0.00	\$0.00
WS	<u>E07-WASD-06</u>	Design and Construction Manage	\$0.00	\$0.00	\$0.00
WS	<u>W-861</u>	Installation of 42-inch, 36-in	\$0.00	\$3,654,466.33	\$3,234,041.00
WS	<u>W-866</u>	Installation of 36-Inch Ductil	\$1,040,000.00	\$0.00	\$934,254.50
WS	<u>W-866</u>	Installation of 36-Inch Ductil	\$0.00	\$1,055,707.59	\$934,254.50
WS	<u>W-884</u>	Installation of 36-Inch Ductil	\$0.00	\$1,261,828.63	\$1,116,662.50

Total Allocated: \$13,690,000.00 \$7,622,002.55

Current Sites for Project 9652821

<u>Site</u>	<u>Location</u>
<u>68623</u>	11800 SW 208 St

Miami-Dade Water and Sewer Department

2006 - 2012 CAPITAL BUDGET / MULTI - YEAR PLAN

WATER PROJECTS

1077. SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT AND WELLFIELD

Commission District(s) 9

Prior			Projections							
Budget/ Estimate Cost	Prior to 2005 - 2006	FY 2006	Total Prior	FY 2006 - 2007	FY 2007 - 2008	FY 2008 - 2009	FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	Future

.101575 W CONSTRUCTION MANAGEMENT AT SOUTH MIAMI HEIGHTS WTP

Commission District(s) 9

Sub-Project Budget / Estimated 7,325,000

REVENUES

	570,000	0	570,000	0	0	0	0	0	0	0	570,000	969	EW242 F 1995
	1,875,000	0	1,875,000	0	0	0	0	0	0	0	1,875,000	959	EW244 F 1999A
	0	0	0	0	4,880,000	0	0	0	0	0	4,880,000	998-08	2008W U 2008
TOTAL	2,445,000	0	2,445,000	0	4,880,000	0	0	0	0	0	7,325,000		

EXPENDITURES

	0	0	0	100,000	470,000	0	0	0	0	0	570,000	969	EW242 F 1995
	0	25,000	25,000	150,000	1,700,000	0	0	0	0	0	1,875,000	959	EW244 F 1999A
	0	0	0	0	0	1,600,000	1,600,000	1,680,000	0	0	4,880,000	998-08	2008W U 2008
TOTAL	0	25,000	25,000	250,000	2,170,000	1,600,000	1,600,000	1,680,000	0	0	7,325,000		

.101659 W SOUTH MIAMI HEIGHTS WTP AND WF - REVERSE OSMOSIS TREATMENT AND SALINE SUPPLY WELLS (UFA WELLS)

Commission District(s) 9

Sub-Project Budget / Estimated 56,000,000

REVENUES

	6,000,000	0	6,000,000	0	0	0	0	0	0	0	6,000,000	969	EW242 F 1995
	5,000,000	0	5,000,000	0	0	0	0	0	0	0	5,000,000	959	EW244 F 1999A
	0	0	0	0	0	45,000,000	0	0	0	0	45,000,000	998-08	2008W U 2008
TOTAL	11,000,000	0	11,000,000	0	0	45,000,000	0	0	0	0	56,000,000		

EXPENDITURES

	0	500,000	500,000	4,000,000	1,500,000	0	0	0	0	0	6,000,000	969	EW242 F 1995
	0	0	0	0	5,000,000	0	0	0	0	0	5,000,000	959	EW244 F 1999A
	0	0	0	0	0	20,000,000	20,000,000	5,000,000	0	0	45,000,000	998-08	2008W U 2008
TOTAL	0	500,000	500,000	4,000,000	6,500,000	20,000,000	20,000,000	5,000,000	0	0	56,000,000		

STRATEGIC AREA: Neighborhood and Unincorporated Area Municipal Services
DEPARTMENT: Water and Sewer

***** FUNDED PROJECTS *****
(dollars in thousands)

WATER TREATMENT PLANT - FLORIDAN AQUIFER

PROJECT # 966620

DESCRIPTION: Construct a 4.5 MGD Reverse Osmosis Treatment Plant using Floridan Aquifer to serve the City of Hialeah's service areas.

LOCATION: Hialeah
Hialeah

DISTRICT LOCATED: 13
DISTRICT(s) SERVED: 13

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

REVENUE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Water Connection Charges	29,115	4,000	3,006	1,794	1,265	820	0	0	40,000
Building Better Communities GOB Program	5,000	0	0	3,900	1,100	0	0	0	10,000

TOTAL REVENUE:	34,115	4,000	3,006	5,694	2,365	820	0	0	50,000
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EXPENDITURE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Planning and Design	0	5,600	0	0	0	0	0	0	5,600
Construction	0	0	22,300	17,800	3,480	820	0	0	44,400

TOTAL EXPENDITURES:	0	5,600	22,300	17,800	3,480	820	0	0	50,000
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WATER TREATMENT PLANT - HIALEAH/PRESTON IMPROVEMENTS

PROJECT # 9650041

DESCRIPTION: Improve filters; construct a new pump station east of the reservoir and outside the transmission loop; construct a five-mega-gallon new elevated remote storage, new laboratory, and filter backwash water tank; and install two emergency generators and chlorine conversions

LOCATION: 700 W 2 Ave and 1100 W 2 Ave
Hialeah

DISTRICT LOCATED: 6
DISTRICT(s) SERVED: Systemwide

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

REVENUE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Water Connection Charges	29	0	158	946	917	519	242	0	2,811
WASD Revenue Bonds Sold	5,663	0	0	0	0	0	0	0	5,663
Future WASD Revenue Bonds	0	0	0	14,250	0	0	45,882	0	60,132

TOTAL REVENUE:	5,692	0	158	15,196	917	519	46,124	0	68,606
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EXPENDITURE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Planning and Design	34	141	357	518	507	489	1,159	3,038	6,243
Construction	342	1,409	3,567	5,178	5,060	4,880	11,578	30,349	62,363

TOTAL EXPENDITURES:	376	1,550	3,924	5,696	5,567	5,369	12,737	33,387	68,606
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9

BUDGET PROJECT 966620

Project Title: 966620-WATER TREATMENT PLANT - FLORIDAN AQUIFER

Project Desc: Construct a 4.5 MGD Reverse Osmosis Treatment Plant using Floridan Aquifer to serve the City of Hialeah's service areas.

Project \$\$	<u>Start:</u>	<u>End:</u>	<u>Prior:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>09-10:</u>	<u>Total:</u>
(\$\$ in 000's)	10/1/2006	9/30/2011	0	5,600	22,300	17,800	3,480	50,000

Project Type: GOB-BBC

CDPWeb Project Milestones (\$ IN 000'S)

<u>Milestone:</u>	<u>Start:</u>	<u>End:</u>	<u>Prior:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>09-10:</u>	<u>Total:</u>
Planning/Design	N/A	N/A	0	5,600	0	0	0	5,600
Construction	N/A	N/A	0	0	22,300	17,800	3,480	44,400

CDPWeb Project Revenue (\$ IN 000'S)

<u>Revenue:</u>	<u>Start:</u>	<u>End:</u>	<u>Prior:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>09-10:</u>	<u>Total:</u>
Water Connection Char	N/A	N/A	29,115	4,000	3,006	1,794	1,265	40,000
Building Better Commu	N/A	N/A	5,000	0	0	3,900	1,100	10,000

EXIT

Current Contracts for Project 966620

<u>Dept</u>	<u>ContractNo</u>	<u>Contract Name</u>	<u>RTA Budget Allocation</u>	<u>Award Budget Allocation</u>	<u>CIIS Award</u>
WS	E07-WASD-06	Design and Construction Manage	\$7,425,000.00	\$0.00	\$0.00

There are no Sites for Project 966620

Miami-Dade Water and Sewer Department
2006 - 2012 CAPITAL BUDGET / MULTI - YEAR PLAN
WATER PROJECTS
1080. WATER TREATMENT PLANT - FLORIDAN AQUIFER
Commission District(s)

	Prior				Projections										
	Budget/ Estimate Cost	Prior to 2005 - 2006	FY 2005 - 2006	Total Prior											
					FY 2006 - 2007	FY 2007 - 2008	FY 2008 - 2009	FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	Future				
REVENUES	50,000,000														
TOTAL		0	5,000,000	5,000,000	0	0	3,900,000	1,100,000	0	0	0	0	0	0	0
		0	29,114,907	29,114,907	4,000,000	3,006,463	1,793,472	1,265,158	820,000	0	0	0	0	0	0
		0	34,114,907	34,114,907	4,000,000	3,006,463	5,693,472	2,365,158	820,000	0	0	0	0	0	0
EXPENDITURES															
TOTAL		0	0	0	0	5,000,000	3,900,000	1,100,000	0	0	0	0	0	0	0
		0	0	0	5,600,000	17,300,000	13,900,000	2,380,000	820,000	0	0	0	0	0	0
		0	0	0	5,600,000	22,300,000	17,800,000	3,480,000	820,000	0	0	0	0	0	0

.101679 W 4.5 MGD REVERSE OSMOSIS HIALEAH W.T.P.

Commission District(s)		6															
Sub-Project Budget / Estimated				50,000,000													
REVENUES																	
				0	5,000,000	5,000,000	0	0	3,900,000	1,100,000	0	0	10,000,000	1135W	EW247 A G.O.B.		
				0	29,114,907	29,114,907	4,000,000	3,006,463	1,793,472	1,265,158	820,000	0	0	40,000,000	520	EW223 F PLTEX	
TOTAL				0	34,114,907	34,114,907	4,000,000	3,006,463	5,693,472	2,365,158	820,000	0	0	50,000,000			
EXPENDITURES																	
				0	0	0	0	5,000,000	3,900,000	1,100,000	0	0	10,000,000	1135W	EW247 A G.O.B.		
				0	0	0	5,600,000	17,300,000	13,900,000	2,380,000	820,000	0	0	40,000,000	520	EW223 F PLTEX	
TOTAL				0	0	0	5,600,000	22,300,000	17,800,000	3,480,000	820,000	0	0	50,000,000			

MIAMI-DADE COUNTY, FLORIDA
NOTICE TO PROFESSIONAL CONSULTANTS

**MIAMI-DADE WATER AND SEWER DEPARTMENT
DESIGN AND CONSTRUCTION MANAGEMENT SERVICES
FOR THE 10 MGD NORTH MIAMI-DADE WATER TREATMENT PLANT
PROJECT NO. E07-WASD-06**

The County Manager, Miami-Dade County, pursuant to Chapter 287.055, Florida Statutes, and Chapter 2, Sections 2-8.1 (as amended Ordinance 05-105) and 2-10.4 of the County Code and Administrative Order 3-39, announces that the Miami-Dade Water and Sewer Department (MDWASD) will require professional engineering services from a qualified consultant to provide planning, design, permitting and construction management services for the implementation of a 10 million gallons per day (MGD-finished water, Phase 1) Reverse Osmosis Water Treatment Plant at site to be determined in North Miami-Dade County, including water supply wells and membrane reject water disposal. Raw and finished water piping will be by others.

Pursuant to the Interim Consumptive Use Authorization and Agreement with the South Florida Water Management District executed in May 2006, Miami-Dade County has committed to developing alternative water supplies to meet its increased projected demands. This project meets on the requirements of this agreement. The project shall maximize environmental benefits and minimize fiscal impacts.

The selected consultant shall perform design and associated work necessary to evaluate alternatives for reject water disposal including deep injection well and disposal to waster transmission system; complete pilot testing as necessary; prepare complete detailed construction drawings and specifications for all facilities included in the scope; detailed cost estimates; attendance at meetings, contract interpretations and clarifications, review claims and potential change order requests; review and process shop drawings, review schedule of values and review as-built drawings, assist in any property acquisition and any necessary rezoning of a new or existing MDWASD property, including preparation of renderings and assistance in public hearings and required meetings; provide permitting services through permit approvals and bidding and construction management services, answering requests for information, start-up assistance and final inspection; utility coordination, surveying, and geotechnical work; prepare operations and maintenance manuals and provide training for operations and maintenance and startup assistance; provide record drawings documentation; perform final approval and certification of construction; provide transactional system integration and database development through design and construction. Project coordination services are anticipated to include, establishing a plan to implement the project, establish and track project schedule, budget and deadlines, prepare status reports and attend meetings as requested. The total estimated construction cost of the project is \$65 million.

The MDWASD intends to retain one qualified firm under a non-exclusive Professional Services Agreement. The term of the contract is for a five (5) year period. Maximum compensation is \$13.5 million, plus contingency in accordance with Ordinance 00-65. The prime shall have experience designing and providing construction management services for a similarly sized reverse osmosis water treatment plant within the last five years. No minimum amount of work or compensation will be assured to the retained consultant. The County reserves the right to re-

use the work products of the retained consultant and to retain other consultants to provide the same or similar services at its sole discretion. The consultant coordinator for this project is _____ who may be contacted via e-mail at _____ or fax at _____ with copy to the Clerk of the Board.

TECHNICAL CERTIFICATION REQUIREMENTS

Prime

6.01 Water Distribution and Sanitary Sewer Collection and Transmission Systems
6.02 Major Water and Sanitary Pumping Facilities
6.03 Water and Sanitary Sewage Treatment Plants
11.00 General Structural Engineering
17.00 Engineering Construction Management

Prime and/or Subconsultants

9.02 Geotechnical and Materials Engineering Services
12.00 General Mechanical Engineering
13.00 General Electrical Engineering
14.00 Architecture
16.00 General Civil Engineering
15.01 Land Surveying
20.00 Landscape Architectural

CBE Goal 30%

BREAKDOWN LIST

	<u>%</u>	<u>CBE%</u>
6.01 Water Distribution and Sanitary Sewer Collection and Transmission Systems	5%	
6.02 Major Water and Sanitary Pumping Facilities	5%	
6.03 Water and Sanitary Sewage Treatment Plants	10%	
09.02 Geotechnical and Materials Engineering Services	5%	
11.00 General Structural Engineering	15%	
12.00 General Mechanical Engineering	15%	10%
13.00 General Electrical Engineering	8%	
14.00 Architecture	5%	5%
15.01 Land Surveying	5%	5%
16.00 General Civil Engineering	5%	5%
17.00 Engineering Construction Management	20%	5%
20.00 Landscape Architectural	2%	
TOTAL	100%	30%



Dept. of Business Development

Project Worksheet

Project/Contract Title: DESIGN AND CONSTRUCTION MANAGEMENT SERVICES FOR THE 10 MILLION GALLONS PER DAY (MGD) REVERSE OSMOSIS NORTH MIAMI-DADE WATER TREATMENT PLANT (SIC 871)

RC Date: 05/16/2007
1-01

Project/Contract No: E07-WASD-06

Funding Source:

Item No:

Department: WATER & SEWER DEPARTMENT

WATER & SEWER REVENUES

Estimated Cost of Project/Bid: \$13,500,000.00

Resubmittal Date(s):

Description of Project/Bid: TO ESTABLISH A CONTRACT THAT REQUIRES PROFESSIONAL ENGINEERING SERVICES FROM A QUALIFIED CONSULTANT WHO WILL PROVIDE PLANNING, DESIGN, PERMITTING AND CONSTRUCTION MANAGEMENT SERVICES FOR THE IMPLEMENTATION OF A 10 MILLION GALLONS PER DAY (MGD) REVERSE OSMOSIS WATER TREATMENT PLANT (INCLUDING WATER SUPPLY WELLS AND MEMBRANE REJECT WATER DISPOSAL).

Contract Measures Recommendation

Measure	Program	Goal Percent
Goal	CBE	30.00%

Reasons for Recommendation

This project meets all the criteria set forth in A.O. 3-32, Section V.

The proposed Professional Services Agreement will be for a seven (7) year period.

SIC 871 - Architectural and Engineering Services

Analysis for Recommendation of a Goal

Subtrade	Cat.	Estimated Value	% of Items to Base Bid	Availability
GENERAL MECHANICAL ENGINEERING	CBE	\$1,350,000.00	10.00%	25
ARCHITECTURE	CBE	\$675,000.00	5.00%	35
SURVEYING AND MAPPING-LAND SURVEYING	CBE	\$675,000.00	5.00%	10
GENERAL CIVIL ENGINEERING	CBE	\$675,000.00	5.00%	51
ENGINEERING CONSTRUCTION MANAGEMENT	CBE	\$675,000.00	5.00%	71
Total		\$4,050,000.00	30.00%	

Living Wages: YES ☐ NO ☒

Responsible Wages: YES ☐ NO ☒

Ordinance 90-143 is applicable to all construction projects over \$100,000 that do not utilize Federal Funds

REVIEW COMMITTEE RECOMMENDATION

Tier 1 Set Aside			
Set Aside	Level 1	Level 2	Level 3
Trade Set Aside (MCC)	Goal	30.7%	Bid Preference
No Measure	Deferred	Selection Factor	
Chairperson, Review Committee	Date	County Manager	Date